

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052135

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L51/30 H01L51/20 H01L51/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/083958 A (NOVALED GMBH; BLOCHWITZ, JAN) 9 October 2003 (2003-10-09) page 9, line 1 - line 27; figures 2,3 page 8, line 19 - line 31 the whole document	1-5,7
X	WO 03/012890 A (TECHNISCHE UNIVERSITAET DRESDEN; LEO, KARL; BLOCHWITZ-NIMOTH, JAN; PFE) 13 February 2003 (2003-02-13) page 12; claim 5 the whole document	1-5,7
X	WO 02/41414 A (TECHNISCHE UNIVERSITAET DRESDEN; PFEIFFER, MARTIN; LEO, KARL; BLOCHWIT) 23 May 2002 (2002-05-23) page 8, lines 5-19 the whole document	1-5,7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 June 2005

Date of mailing of the international search report

04/07/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HUANG JINGSONG ET AL: "Low-voltage organic electroluminescent devices using pin structures"</p> <p>APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 80, no. 1, 7 January 2002 (2002-01-07), pages 139-141, XP012030202</p> <p>ISSN: 0003-6951</p> <p>abstract</p> <p>-----</p>	1-5,7

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International Application No
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03083958	A	09-10-2003	DE 10215210 A1 AU 2003229496 A1 WO 03083958 A2 EP 1488468 A2	23-10-2003 13-10-2003 09-10-2003 22-12-2004
WO 03012890	A	13-02-2003	DE 10135513 A1 CN 1535485 A WO 03012890 A2 EP 1410450 A2 JP 2004537149 T US 2004251816 A1	06-02-2003 06-10-2004 13-02-2003 21-04-2004 09-12-2004 16-12-2004
WO 0241414	A	23-05-2002	DE 10058578 A1 AU 1693502 A BR 0115497 A CN 1475035 A WO 0241414 A1 EP 1336208 A1 JP 2004514257 T US 2004062949 A1	06-06-2002 27-05-2002 21-10-2003 11-02-2004 23-05-2002 20-08-2003 13-05-2004 01-04-2004